

(189) Manufacture of Hydrated Alumina from
Sodium Aluminate Solution by the Carbon
Dioxide Method, by K. Machida, T. Takahashi,
T. Koganemaru, 8 pp.

JAPANESE, per, J Soc Chem Ind Japan, Vol XLVI,
1943, pp 633-636.

Assoc Tech Serv 94H10J
70, 888

Sci
Aug 58

Basic Study of Two-Bath Spinning Process De-
signed to Fix the Stretching Effect, by M. Horio,
28 pp.

JAPANESE, per, J Soc Chem Ind Japan, Vol XLVI,
1943, pp 706-711. (loan copy only)

SLA 57-2628

Sci
Aug 53

70,836

Kameyama, N., and Inoue, Y.
RECHERCHE SUR LE CARBURE DE CALCIUM. 7 me
RAPPORT. CRISTALLISATION A COMBUSTION DU
RESIDU DE L'ACÉTYLÈNE (Calcium Carbide. VII.
Briquetting the Waste Slaked Lime from Acetylene
Generators) 10p.
Order from OTS, ETC or CNRS \$0.80 62-26904

Trans. in French of Kogyo Kagaku Zasshi (Japan) 1943
[v. 46] p. 747-749.

DESCRIPTORS: *Calcium compounds, *Carbides,
Acetylenes, Production.

(Engineering--Chemical, TT, v. 10, no. 9)

62-26904

- I. Kameyama, N.
- II. Inoue, Y.
- III. Title: Cristallisation...
- IV. Title: Briquetting...
- V. Centre National de la
Recherche Scientifique,
Paris (France)

Office of Technical Services

Chemical Composition and Optical Properties
of Synthetic Mica, and Microscopic Studies,
by Tatsuzo Noda, Tokuo Sugiyama.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol XLVI,
No 8, 1943, pp 760-762.

Dept of Interior
209(15000) QJB33px no. 371

Sci. Div.
JUN 27

246, 282

Manufacture of Alcohols by the Oxidation of Paraffins. Part 1. Oxidation Experiments and the Properties of Oxidation Products. Part 2. Oxidation Promotion and Fractional Distillation of the Oxidation Product, by S. Kawai, H. Nohori.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 46, No 8, 1943, pp 765-769.

ATS-4770

Sci
Dec 68

368,703

Reduction of Barites With Methane. (Parts I and II) Part I. Effect of the Flow Rate of Methane and of the Reduction Time, by O. Kamiike, T. Kodama, and G. Nakano, 14 pp.

JAPANESE, per, J. Soc Chem Ind Japan, Vol XLVI, 1943, pp 879-884.

Assc Tech Serv-52G5
\$16.75

Sci

67,455

Jul 58

(364)

The Relation Between the Compounding of Materials
and the Losses of Alumina and Sodium Oxide in the
Sodium-Oxide-Lime Method and Related Problems, by
K. Uchida, S. Chikabe, 6 pp.

JAPANESE, per, J. Soc Chem Ind Japan, Vol XLVI, #
1943, pp 1163-1165.

AT&T-95H10J

470/75-2756

Sci

Aug 20

95, 363

(365) Studies on the Manufacture of Alumina by
the Soda-Lime Method (Report 5). Experiments
Employing High Concentrations of Soda, by I.
Ueno, 7 pp.

JAPANESE, per, J. Soc Chem Ind, Japan, Vol XLVI,
1943, pp 1165-1167.

Assoc Tech Sv 95M10J-b

Sci
Aug 53

70,842

Nagai, R.
STUDIES ON DIRECT SEPARATION OF BROMINE
FROM SEA WATER. REPT. I. VARIOUS METHODS
OF ANALYSING FOR BROMINE. [1964] [7pl] 4refs
Order from SLA \$1.10 TT-64-10730

Trans. from Kogyo Kogaku Zasshi (Japan) 1943,
v. 46, no. 9.

TT-64-10730

I. Nagai, R.
II. Title: Various...

(Engineering & Chemical, TT, v. 12, no. 2)

Office of Technical Services

Manufacture of Alcohols by the Oxidation of Paraffins. Part 3. Separation of the Alcohol Mixture From the Oxidation Product and Fractional Distillation. Part 4. Alcohol Mixture Separated From the Oxidation Product of Paraffin Treated With Ethanol, by S. Kawai, H. Nobori.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 46, No 9, 1943, pp 895-898.

ATS-4771

Sci
Dec 68

368,704

Nagai, R.
STUDIES ON DIRECT SEPARATION OF BROMINE
FROM SEA WATER. REPT. 3 RELATIONSHIP
BETWEEN THE pH OF A PURE POTASSIUM BRO-
MIDE SOLUTION AND ITS RESULTING BROMINE
PRODUCTION. [1964] (6p) (figs omitted)
Order from SLA \$1.10 TT-64-10731

Trans. of Kogyo Kagaku Zasshi (Japan) 1943, v. 46,
no. 11, p. 386-388.

TT-64-10731

I. Nagai, R.
II. Title: Relationship...

(Engineering-Chemical, TT, v. 12, no. 2)

Office of Technical Services

Manufacture of Alcohols by the Oxidation of
Paraffins. Part 5. Experiments Using Arsenious
Acid and Fatty Acids in Place of Boric Acid.
Part 6, Catalytic Decomposition of the Oxida-
tion Product, by H. Nobori, S. Kawai.
JAPANESE, par, Kogyo Kagaku Zasshi,
Vol 46, No 11, 1943, pp 1208-1210.
ATS-4772

Sci
Dec 68

368,705

Manufacture of Alcohols by the Oxidation of Paraffins. Part 7. New Method of Separation of Alcohols From the Reaction Product. Part 8. Oxidation of the Middle Fraction of Paraffin, by H. Nobori.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 46, No 12, 1943, pp 1252-1255.

ATS-4773

Sci
Dec 68

360,706

Manufacture of Alcohols by the Oxidation of
Paraffins. Part 9. Adsorptive Separation of
Alcohol Mixtures, by H. Nobori.

JAPANESE, per, Kogyo Kagaku Zasshi,
Vol 47, No 1, 1944, pp 16-17.

ATS-4774

Sci
Dec 68

368,707

Nagai, R.

STUDIES ON DIRECT SEPARATION OF BROMINE
FROM SEA WATER. REPTS. 6-11. [1964] 63p (figs
omitted)

Order from SLA \$6.60

TT-64-10732

Trans. of Kogyo Kagaku Zasshi (Japan) 1944, v. 47,
no. 1 [p. 33-46].

TT-64-10732

I. Nagai, R.

(Engineering--Chemical, TT, v. 11, no. 12)

Office of Technical Services

The Stability of Nitro-Cellulose, Part V and VI,
by Osamyoichi Watanabe

1944, per, ~~Original~~ ^{Kaishi} ~~Original~~ ^{Kaishi} ~~Original~~ ^{Kaishi}, Vol 1944, 1944,
P-57-63.

TPA3/TIB T4169

Scientific - Chemistry
S/DET

8879

Hydrogenation of Furfural and Furfuryl Alcohol
(Report 4) Synthesis of Furfuryl Alcohol From
Furfural by Combination of Copper Oxide-Chrome
Oxide Catalyst and Nickel-Distannaceous Earth
(Kieselguhr), by Katsuura.

Kogyo
JAPANESE, par, J Soc Chem Ind Japan, Vol
XLVII, 1944, pp 103-106.

INSDOC-T1789

Sci - Chem
Jun 59

89, 407

Murata, Jiro.
DETERMINATION OF ACETYLENE AND MONO-VINYLCYCLETHYLENE IN A MIXTURE. [1961] 8p.
Order from SLA \$1.10

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1944, v. 47
[no. 2] p. 202-203.

DESCRIPTORS: *Acetylenes, Vinyl radicals, Determination.

The acetylidy-silver nitrate complex derived from MVA was decomposed by sodium chloride so that the method applicable to acetylene was unsatisfactory for the determination of MVA. A satisfactory procedure for MVA was developed. (Author)

(Chemistry--Analytical, TT, v. 6, no. 6)

61-16496

I. Murata, J.

170520

Office of Technical Services

The Stability of Nitro-Cellulose: Part VII,
Y. Sadaayoshi, Watsonabe

Approved, ¹⁹²⁹ ^{Basis}, ~~Japan Kagaku Zasshi~~, Vol XLVII, 1934,
pp 223-225.

TPA3/TIB T 4192

Scientific - Chemistry
Index

8820

Secondary Hydrogenation of Oil Obtained by the
liquefaction of Coal, by Mazatake Kurokawa,
Yoshio Kanabayashi, Ryoji Shinagawa, 8 p.

JAPANESE, per, Kogyo Kagaku Zasshi, 1944, Vol XIII
No 5, pp 455-461.

SIA 60-10035

Sci
Apr 60
Vol XIII, No 3

112 102

Manufacture of Alcohols by the Oxidation of
Paraffins. Part 10. Oxidation of 120°F Paraffin.
Part 11. Studies of Oxidation Catalysts, by
H. Nobori,
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol 47, No 5, 1944, pp 473-477.
ATS-4775

Sci
Dec 68

368,708

Manufacture of Alcohols by the Oxidation of Paraffins. Part 12. Oxidation of Tricosane (Saturated Hydrocarbon) and the Composition of Oxidation Products, by H. Nobori.

JAPANESE, per, Koryo Kagaku Zasshi, Vol 47, No 6, 1944, pp 595-598.

ATS-4776

Sci
Dec 68

368,709

Studies on Treatment Methods for Low-Temperature
Tar II. Preparation of Gasoline From Low-Temperature
Tar, by Tatsuo Kuwata, Hidehiko Ueda, 3 pp.

JAPANESE, per, Kagaku Zasshi, Vol XLVII,
No 7, 1944, pp 627-629.

SIA 60-10034

Sci

Jun 66

118, 331

Ueno, Itaru.
MANUFACTURE OF ANHYDROUS MAGNESIUM CHLORIDE FROM MAGNESIUM OXIDE AND AMMONIUM CHLORIDE AS RAW MATERIALS. I. EXPERIMENT ON CALCINATION BELOW 300°. II. EFFECT OF EXCLUDING AIR DURING CALCINATION. [1963]

15p. 9 refs.

Order from SLA \$1.60

63-14154

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1944, v. 47,
p. 849-853.

DESCRIPTORS: *Magnesium compounds, *Chlorides, Oxides, *Ammonium compounds, *Low temperature research, Air.

(Chemistry--Physical, TT, v. 10, no. 2

63-14154

- I. Ueno, I.
- II. Title: Experiment ...
- III. Title: Effect ...

Office of Technical Services

Secondary Hydrogenation Under Super-High Pressure
of Oil Obtained by the Liquefaction of Coal, by
Kurokawa Macatake, Fijiwara Koze.

JAPANESE, par, Kogyo Kagaku Zasshi, Vol XLVIII,
No 3, 1945, pp 40, 41.

Dept of Interior
TNT E57 No 271

Sci - Chemistry
Jan 61

136,074

Ueno, Itaru,
MANUFACTURE OF ANHYDROUS MAGNESIUM
CHLORIDE FROM MAGNESIUM OXIDE AND
AMMONIUM CHLORIDE AS RAW MATERIALS,
PTS. III-V. [1963] [9]p.
Order from S.I.A \$1.10

63-14707

Trans. of Kogyo Kagaku Zasshi (Japan) 1945, v. 48,
p. 65-67.

DESCRIPTORS: *Magnesium compounds, *Chlorides,
*Oxides, *Ammonium compounds, Iron compounds,
Silicon compounds, Aluminum compounds, Calcium
compounds, Carbonates, Magnesite, Pyrolysis.

Contents:
Relationship of generation of ammonia gas and the mixing ratio of raw materials to the purity and yield of magnesium chloride
Reaction between ammonium chloride and ferric oxide, silica, alumina, lime, calcium carbonate or magnesium carbonate, and the reaction mechanism of this
(Chemistry--Inorganic, TT, v. 10, no. 5) (over)

63-14707

1. Ueno, I.

Office of Technical Services

60-18688

Okamura, Seizo, Torii, Kei and others.
EMULSION POLYMERIZATION OF VINYL ACETATE
UNDER VARIOUS CONDITIONS. kept at 40°C
Studies on the Emulsion Polymerization of Vinyl
Acetate. (1946) 6p. 4 refs.
Order from SHIBA US\$1.80, ph\$1.60 60-18588

Transactions of Kogyo Kaikan Zasshi (Japan) 1946, v. 49,

no. 1/2, p. 27-217.

149, 55-1

1. Vinyl acetate
Polymerization
2. Title: Emulsion
polymerization
3. Okamura, S.
- II. Torii, K.
- III. Title: Studies

Okamura, Seizo and Torii, Kei.
SOLUBILITY OF VINYL ACETATE TOWARD WATER.
Rept. no. 2 [of Studies on the Emulsion Polymerization
of Vinyl Acetate]. [1940] [4]p. 2 refs.
Order from SLA m\$1.80 ph\$1.80 60-18889

Trans. of Kogyo Kagaku Zasshi (Japan) 1946, v. 49,
no. 1/2, p. 22.

See also 60-18888

142, 829

60-18889

1. Vinyl acetate - Solubility
2. Title: Emulsion polymerization
1. Okamura, S.
- II. Torii, K.
- III. Title: Studies...

Office of Technical Services

(Chemistry--Organic, TT, v. 3, no. 2)

Okamura, S., Oshima, Yoshihiko, and Torii, K.
BEHAVIOR OF PERSULFATES IN THE EMULSION
POLYMERIZATION OF VINYL ACETATE. Rept. no. 3
[of Studies on the Emulsion Polymerization of Vinyl
Acetate]. [1960] [5]p.
Order from SLA m\$1.80, ph\$1.80 60-18890

Trans. of Kogyo Kagaku Zasshi (Japan) 1946, v. 49,
no. 1/2, p. 22-23.

See also 60-18889

142, 826

60-18890

1. Vinyl acetate--
Polymerization
2. Sulfates--Chemical effects
3. Title: Emulsion
polymerization
of vinyl acetate
- I. Okamura, S.
- II. Oshima, Y.
- III. Torii, K.
- IV. Title: Studies

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 2)

Okamura, Seizo.

EMULSION POLYMERIZATION OF VINYL ACETATE
IN WATER SOLUTION. Rept. no. 4 [of Studies on the
Emulsion Polymerization of Vinyl Acetate]. [1940] (S) p.
1 ref.

Order from SLA m\$1.80, ph\$1.80 60-18891

Transl. of Kogyo Kagaku Zasshi (Japan) 1946, v. 49,
no. 1/2, p. 23-24.

See also 60-18890

142,825

60-18891

1. Vinyl acetate--
Polymerization
2. Title: Emulsion
polymerization

I. Okamura, S

II. Title: Studies

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 2)

Otsuki, Hiroshi, Okano, Ichiro, and Takeda,
Takamasa.
AN INVESTIGATION OF THE SYNTHESIS OF
VINYLCARBAZOLE, PTS. 1-2. [1961] 8p.
Order from SLA \$1.10 61-20930

Trans. of Kogyo Kagaku Zasshi (Japan) 1946, v. 49,
p. 169-170.

DESCRIPTORS: *Carbazoles, *Vinyl radicals, Ethyl
radicals, Synthesis, Dehydration.

Contents:
The synthesis of N-ethylocarbazole
The synthesis of N-vinylicarbazole by dehydration of
the N-ethylocarbazole.

(Chemistry--Organic, TT, v. 7, no. 10)

61-20930

I. Otsuki, H.
II. Okano, I.
III. Takeda, T.

Office of Technical Services

Studies on Aliphatic Higher Alcohols. Part 1. Separation of Octyl and Decyl Alcohols. Part 2. Isolation of Pure Lauryl Alcohol from Industrial Grade Lauryl Alcohol, by S. Ueno, S. Kcmori.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 49, No 10-11, 1946, pp 161-62.
ATS-JB-258

Sci-Chem
Mar 70

403,921

Nozaki, H. and Hirayama, T.
ELECTROMOTIVE PHENOMENA BETWEEN ME-
TALLIC ALUMINUM AND VARIOUS ALUMINUM
SALTS. [1963] 4p (fig omitted)
Order from SLA \$1.10

TT-64-14664

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1948, v. 51,
p. 3-4.

TT-64-14664

I. Nozaki, H.
II. Hirayama, T.
III. Miyauchi, K.

(Chemistry--Physical, TT, v. 11, no. 12)

Office of Technical Services

The Active Materials of Alkaline Storage Cell. III.
State of Charged Products on the Positive Plate,
by T. Okada, T. Shiraishi, 8 pp.

JAPANESE, per, J. Chem. Soc., Vol. LII, 1949, pp 37-39,
1949

S.I.A. Tr 57-249

Sci - Chemistry
May 57

48, 749

Alpha Olefins, Report No. 3. Catalytic
Dehydration of Alcohols by Alumina and
Phosphoric Acid, by T. Asahara.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 52,
No 2, 1949, pp 52-53.
SLA TT-66-10623

Sci-Chem
Jul 66

305,527

Conversion of Low-Temperature Tar Into Fuel Oil;
Catalytic Reduction of Aniline, Pyridine, Ethoxy-
benzene, and Furfural Under Atmospheric Pressure,
by Yutaro Funahashi, et al.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol III, No 4,
Jun 1949, pp 248, 249.

Dept of Interior
TET 557 No 257

Sci - Chem
Nov 60

SLA 60-10027
vol 3, no 6 133,418

Mandai, Hikojiro.

REACTIONS IN THE CARBONATING TOWER OF THE
AMMONIA-SCDA PROCESS, PT. I, [1963] 5p. (figs.
tables omitted). 3 refs.
Order from SLA \$1.10

63-14155

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1949, v. 52,
p. 171-173.

DESCRIPTORS: Chemical reactions, *Towers
(Chemistry), *Carbonates, *Ammonia, *Ammonium
radicals, *Sodium compounds, Chlorides, Chemical
indicators.

(Engineering-C., 1951, v. 10, no. 4)

63-14155

I. Mandai, H.

Office of Technical Services

Research on Dielectrics (Reports II and III), by
M. Horio, S. Onogi, G. Kimura, 19 pp.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LII, 1949,
pp 259-263.

CIA/PDD XX-380
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics, Ions

Jan 58

IAC INTERNAL USE ONLY

57,579

Mandai, Hikojiro.
REACTION IN THE CARBONATING TOWER OF
AMMONIA-SODA PROCESS, PTS. III-IV. [1963] 13p.
(figs. tables omitted) 3 refs.
Order from SIA \$1.60

63-14156

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1949, v. 52,
p. 267-273.

DESCRIPTORS: Chemical reactions, *Towers
(Chemistry), *Carbonates, *Carbamates, Phase
studies, *Ammonia, *Ammonium radicals, *Sodium
compounds, Chlorides.

(See also 63-14155)

(Engineering--Chemical, '49, v. 10, no. 4)

63-14156

L. Martin, Jr.

Office of Technical Services

Diaphragms for Electrolysis: Parts 2 and 3,
by Takeo Matsuno.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol
52, 1949, pp 281-284.
NASA TT F-11,846

Sci-Chem
Mar 69

378,994

(FDD 19822)

Researches on the Solvent Refining of Shale Oils and
on the Polymerization Testing of Refined Oils, by
Amagasa, 57 pp.

Full translation.

JAPANESE, no par, Kogyo Kagaku Zasshi, Tokyo, Vol LII,
No 8, Dec 1949, pp 319-323; Vol LIII, No 1, Jan 1950,
pp 12-13, No 2, Feb 1950, pp 65-66, No 3, Apr 1950,
pp 116-118 [sic7], No 4, May 1950, pp 156-157.

CIA/FDD/JL-5587

Sci - Japan

10,352 Feb 54
Sci - Chemistry, petroleum refining Copyright

The Active Materials of the Alkaline Storage Cell.
IV. Activities of Nickelous Hydrozides, by
T. Okada, T. Shiraishi, T. Yasuhara, 5 pp.

JAPANESE, JAPAN, J. Chem. Soc, Vol LIII, 1950,
pp 5-7.

S.L.A. Tr 57-250

Sci - Chemistry
May 57

48, 747

Investigation of the Equilibrium of Formation and
Dissociation of Calcium Carbide. Part 3. Forma-
tion of Calcium Carbide by the Reduction of Lime
with Carbon in the Solid State, by Y. Uraguchi,
4 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol LIX, No 2, 1950, pp 57, 58, C. A. 42(1950),
1952, p 5478a.

46
AT&T-98P2J

95, 364

Sci

Aug 59

Investigation of the Equilibrium of Formation and
Dissociation of Calcium Carbide. Part 4. Formation
of Calcium Carbide by the Reduction of Lime with
Carbon in the Molten State, by Y. Uragechi, 7 pp.

JAPANESE, per, J. Chem Soc Japan Indl Chem Sect, Vol
LIII, No 3, 1950, pp 101-103; C. A. Vol. XLVI, 1952,
p8478d.

AB-9572J

Sci

95, 365

Aug 59

†
Investigation of the Equilibrium of Formation and
Dissociation of Calcium Carbide. Part 5. Formation
of Calcium Carbide by the Reduction of Lime with
Carbon in an Upright Furnace, by Y. Uragami, 4 pp.

JAPANESE, per, J. Chem Soc Japan, Ind Chem Soc, Vol.
LXII, No 4, 1950, pp 143, 144; C. A. Vol LXI, 1952,
p 9825f.

ABR-1772J

95, 366

Sci

Aug 59

Studies Pertaining to the Calcium Carbide. Supple-
ment 3. Thermal Decomposition and Formation of Calcium
Carbide at Temperatures Below the Melting Point,
by T. Inoue, 7 pp.

JAPANESE, per, *Kogyo Kagaku Zasshi*
LIII, pp 152-154, 1950.

Assoc Tech Serv 99F2J

Sci - Chem
Aug 58

70,500

The High Pressure Catalytic Hydrogenation of
Xylose. Pt 3. Studies on Pentosan Derivatives,
by J. Mizuguchi, M. Ohashi.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIII,
1950, pp 205-207, No 5.
ATS 52R78j

Sci-
Apr 67

323,059

The Separation of m-Cresol by Urea-
Addition, by Ichiro Asanuma, Isamu
Yamamoto, 7 pp.
JAPAN, per, Hanzei Kagaku Zasshi,
Vol 53, No 7, 1950, pp 315-317.
SA Code-G34

336,319

Sci
Aug 67

Effect of Lithium Hydroxide on Nickel
Peroxide Electrode, by Tetsuo Ono,
Tetsuo Shiraiishi, Teruo Yambara, 16 pp.
JAPANESE, per, Kagaku Kagaku Zasshi,
Vol 53, No 9, 1950, pp 378-379.
SA Code-635

336, 208

Sci
Aug 67

Moisture Prevention of Hygroscopic Fertilizers. I.
Mixed Crystal Method and Double Salt Method, by S.
Nagai, T. Kanazawa.

JAPANESE, per, Chem Soc Japan Ind Chem Soc, Vol LIII,
1950, pp 381-385.

ISBDOC-TI455

Sci

95, 358

Aug 59

Kurihara, Yasuo, Miyabara, Kotaro, and Kurata,
Hukutaro.
POLAROGRAPHIC DETERMINATION OF GAMMA-BHC.
[1963] 7p (figs omitted) 4refs
Order from SLA \$1.10

TT-63-20448

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1950, v. 53,
p. 409-411. (ABSTRACT AVAILABLE)

DESCRIPTORS: *Insecticides, *Hexachlorocyclohexanes,
*Polarographic analysis, Solvents, Ethanol, Electrolytes, Sodium compounds, Impurities, Degradation.

The gamma-BHC content of commercial BHC preparations may be determined with an accuracy of $\pm 1\%$ by the proposed polarographic method. Ethyl alcohol and sodium chloride, used as the solvent and the indifferent electrolyte, respectively, are readily available and inexpensive. Impurities present in commercial (Chemistry-Analytical, TT, v. 11, no. 4) (over)

TT-63-20448

I. Kurihara, Y.
II. Miyabara, K.
III. Kurata, H.

Office of Technical Services

Polarographic Determination of Gamma-BHC, by
Yasuo Kurihara and Kotaro Miyabara.
JAPANESE, per, Kogyo Kagaku Zasshi, 1950, vol. 53
pp. 409-411.
K-H-2759J

Chem
Aug 66

7
304,611

Uchida, S. and Ito, Y.
A NEW METHOD OF SYNTHESIS OF SULFAMIC
ACID. Pt. 1 of Study of the Anhydrous Reaction Be-
tween Ammonia and Sulfur Trioxide. [1961] 6p.
Order from ATS \$9.00 ATS-40N54]

Trans. of Kogyo Kagaku Zasshi (Japan) 1950, v. 53,
no. 10, p. 423-425.

DESCRIPTORS: *Sulfamic acids, Synthesis, *Ammono-
nia, Sulfur compounds, Oxides, Exchange reactions,
Chemical reactions.

(Chemistry--Physical, TT, v. 7, no. 3)

61-25452

- I. Uchida, S.
- II. Ito, Y.
- III. Title: Study ...
- IV. ATS-40N54]
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

The Active Materials of the Alkaline Storage Cell.
V. The Effect of LiOH on the Nickel Peroxide
Electrode, by T. Okada, T. Shiraiishi, T.
Yasuhara, 7 pp.

JAPANESE, per, J. Chem Soc, Vol LIII, 1950,
pp 578, 579.

S.L.A. Tr 57-251

48, 748

Sci - Chemistry
May 57

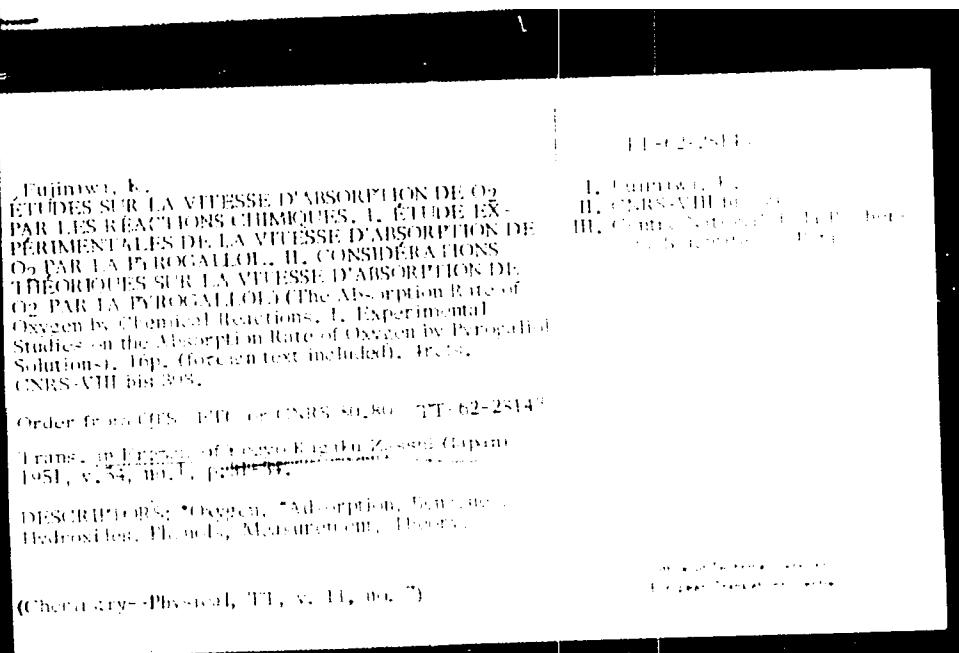
Studies on Active Substances in Alkali Cells:
6. Influence of Lithium Hydroxide on the Anode,
S. Okada, T. Shiraishi, T. Yasuhara.

JAPANESE, per, J. Chem Soc Japan, Vol LIV, 1951,
pp 16-18.

S.A. Code - 636
TPA3/TIB
T 4427

29,346

Scientific - Chemistry
CTS 75/Dec 55



63-18284

Ishii, Yoshio.

PREPARATION OF ALPHA GLYCOOLS FROM
OLEFINS BY PEROXIDE OXIDATION. [1963] 8p.

9 refs.

Order from SLA \$1.10

63-18284

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1951, v. 54,
p. 58-59.

DESCRIPTORS: *Glycols, Synthesis (Chemistry),
*Ethylenes, *Propenes, *Butenes, *Pentenes, *Cyclo-
hexenes, *Peroxides, Oxidation, Cyclohexanols,
Carboxylic acids.

Preparation of alpha glycols from olefinic hydrocarbons
via peracid oxidation was studied. Ethylene, isobutylene,
and isoamylene yielded no glycol, and propylene
gave only a small amount. Butylene was easily oxidized.
Oxidation of cyclohexene by Karo acid, peracetic acid,
(Chemistry-Organic, TT, v. 10, no. 11) (over)

1. Title: Cetene
2. Title: Octadecene
3. Ishii, Y.

Office of Technical Services

Studies on Lignin, III. The Molecular Weight
Distribution of Thiolignins, by H. Mikawa.

JAP., per, J. Chem Soc Japan Ind Chem Sect, Vol LIV,
1951, pp 150-152.

Sci
Ref. C-2334

Aug 58

69, 814

Ohashi, E., Suzuki, S., and Ito, H.
MÉTHODE DE FABRICATION DE NICKEL-CARBONYL
PAR LA MÉTHODE DE REPPE. INFLUENCE DE
LA TEMPÉRATURE, DE LA CONCENTRATION, DE
LA PRESSION ETC. (Preparation of Nickel Carbonyl
by the Reppe Process. I. Influence of Temperature,
Concentration and Pressure), 12p. (foreign text in-
cluded) Brest, CNRS-VI 1961.
Order from OTS, E 14 or CNRS \$1.60 TT-62-28730

Trans. in French of *Kogyo Kagaku Zasshi* (Japan)
1951, v.54, no. 1, p.154-156.

DESCRIPTORS: Nickel compounds, Carbonyl rad-
icals, Temperature, Pressure, Preparation, Organic
compounds.

(Chemistry-Ordnand, TT, v. 11, no. 9)

TT-62-28730

I. Ohashi, E.
H. Suzuki, S.
H. Ito, H.
IV. CNRS-VI 1961
V. Centre National de la Recherche
Scientifique, Paris

Office of Technical Services
European Translations Centre

Optimum Constituency in the Gas to be Used in the
Synthesis of Ammonia, by S.Kodama and K.Fukui.
JAPANESE, per, Kogyo Kagaku Zasshi, 1951, v. 54,
no. 2, pp. 157-159.
SLA-IT-64-20385

En₃
Aug 66

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Fujinawa, F.
ÉTUDE DE LA VITESSE D'ABSORPTION DE O₂ PAR
LES RÉACTIONS CHIMIQUES. I^{er}, ÉTUDE DE LA
VITESSE D'ABSORPTION DE O₂ PAR DES SOLUTIONS
DE Na₂S₂O₄. (The Absorption Rate of Oxygen by
Chemical Reactions. III, Absorption Rate of Oxygen
by Sodium Dithionite Solution), 10p. (foreign text
included). CNRS-VIII bis 306.
Order from CTS, ETC or CNRS 50,80 TT-62-28142

Trans. in French of Kogyo Kagaku Zasshi (Japan)
1951, v.54, no.2, p.163-164.

DESCRIPTORS: Sodium compounds, Sulfates, *Oxygen,
*Adsorption.

(Chemistry--Physical, TT, v. 11, no. 7)

Office of Technical Services
European Translations Centre

Salts of Guanylurea and Guanidine as High-Grade
Chemical Fertilizers, by S. Nagai, T. Kanazawa,
7 pp.

JAPANESE, per, J Chem Soc Japan, Ind Chem Sect,
Vol LIV, 1951, pp 163-165.

SIA 57-2672

Sci
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(101) Studies on Furfural Derivatives Clevage of
Tetrahydrofurfurylamine, by H. Sumitomo, Y. Yahama,
9 pp.

JAPANESE, per, J. Chem Soc Japan, Ind Chem, Sect 54,
1951, pp 199, 200.

SIA 58-160

Sci

Aug 59

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Kumada, Makoto and Tarama, Kimito.
ETHANOLYSIS OF TETROCHLOROSILICON AND
THE REACTION BETWEEN TETRAETHYLSILICATE
AND METHYL MAGNESIUM CHLORIDE. 7p (2 figs
omitted) 8refs
Order from SLA \$1.10

TT-64-16446

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1951, v. 54
[no. 3] p. 213-215.

TT-64-16446

I. Kumada, M.
II. Tarama, K.

(Chemistry--Organic. TT, v. 12, no. 4)

Office of Technical Services

Studies on Lignin, V. Anomalous Phenomenon in
the Molecular Weight Distribution, by H. Mikawa,
and H. Okada.

JAP, per, J. Chem Soc Japan Ind Chem Sect,
Vol LIV, 1951, pp 239-242.

Sci
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Ref. C - 2235

Aug 58

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Uchida, S. and Ito, Y.
A METHOD FOR THE ANALYSIS OF REACTION
PRODUCTS FROM AMMONIA AND SULFUR TRI-
OXIDE. Pt. 2 of Study of the Anhydrous Reaction Be-
tween Ammonia and Sulfur Trioxide. [1961] 7p.
Order from ATS \$10.00 ATS-4IN54]

Trans. of Kogyo Kagaku Zasshi (Japan) 1951, v. 54,
no. 4, p. 256-258.

DESCRIPTORS: *Sulfur compounds, *Ammonia,
Chemical reactions, *Oxides.

(Chemistry--Physical, TT, v. 7, no. 3)

61-25337

I. Uchida, S.
II. Ito, Y.
III. Title: Study ...
IV. ATS-4IN54]
V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Reactions of BaO-TiO₂ System in the Solid State,
by T. Kubo, K. Shinriki, 7 pp.

Vol LIV,

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1951, pp 358-361.

SLA Tr 2054.

Sci - Chem

49, 910

Jul 57

Tsuruta, T., Yoshikawa, C., and Oda, R.
ÉTUDE SUR LES DÉRIVÉS DES ALKANES I. SYNTHÈSE DES CHLOROMÉTYL-ALKANES (Derivatives of Alkanes. I. Synthesis of Chloromethyl Alkanes).
10p. 3refs. CNRS-VIII bis 298.
Order from OTS, ETC or CNRS \$0.80 TT-62-28132

Trans. in French of Kogyo Kagaku Zasshi (Japan),
1951, v.54, p.431-439.

DESCRIPTORS: *Hydrocarbons, Aliphatic compounds,
Chemical reactions, *Formaldehyde, *Hydrochloric
acid, Chlorides, Methyl radicals.

TT-62-28132

I. Tsuruta, T.
II. Yoshikawa, C.
III. Oda, R.
IV. CNRS-VIII bis 298
V. Centre National de la Recherche
Scientifique, Paris

(Chemistry--Organic, TT, v. 11, no. 7)

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TT-62-287-1

Suzuki, S., Ito, H. and others.
MÉTHODE DE FABRICATION DE NI(CO)₄ PAR LAQUE. I. SYNTHÈSE.
MÉTHODE DE RÉPÉLÉ. II. INFLUENCE DES IMPURITÉS. (In French).
TES (Preparation of Nickel Carbonyl by the Lacquer Method. I. Synthesis. II. Influence of Impurities). Usp. (Foreign Sci. Translations), English, 1951, v. 11, no. 8, p. 511-521. (Text included; abstracts, QNRS-VI 137).
Order from TTS, ETO or CNRS \$1.60 TT-62-287-1

Trans. in French of Lescombre et al. Zasshi (Jpn.)
1951, v. 54, no. 8, p. 511-521.

DESCRIPTORS: *Nickel compounds, *Carbonyl
radicals, Preparation, Impurities.

(Chemistry--Organic, TT, v. 11, no. 8)

Office of Technical Services
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Studies of the Reactions of Chloroalkyl
Ethers of Alcohols, Pts. 1-2,
by K. Teramura, 8 pp.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIV,
No 9, 1951, pp 604-607.
AT&T-25R77J

Sci - Chem
Jul 66

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Studies of High Polymers With a Thermobalance. I.
Some Vinyl Polymers, Crude Rubber and Rubber
Hydrochloride, by S. Tsuruta, et al.

JAPANESE, part, J. Chem Soc Japan, Ind Chem Sect,
Vol LIV, 1931, pp 524, 525.

ATS JJ-2052

Sci - Chem
Dec 59

10/4/85!

Tsuchiya, T., and Kaneko, R.
UNSAPOUNIFIED MATTER IN SPERMWHALE LIVER
FAT SUBSTANCE. Pt. I. 7p. 2 refs. MTWL: 1076.
Order from OIS or ETC \$1.55 62-26027

Trans. of Kogyo Kagaku (Japan) 1951, v. 54, no. 9,
p. 592-594.

DESCRIPTORS: *Liver, *Fats, Cetacea, *Hydro-
carbon, Chemical analysis.

62-26027

- I. Tsuchiya, T.
- II. Kaneko, R.
- III. MTWL-1076.
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
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Studies on the Synthetic Resin of Hexamethylene
Tetramine Series, Part III. The Neutral Salt Effect in
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H. Tada, 9 pp.

JAPANESE, per, Kogoyo Kagaku Zasshi, Vol LIV, 1951,
pp 599-601.

FDD/X-3935

Sci
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An Investigation of the Theoretical Rate of the Acid Decomposition Reaction of Hexamine, by S. Kambara,
H. Tada, H. Kuronuma, 8 pp.

Japanese, per, Journal of the Chemical Society of Japan,
Vol LIV, 1951, pp 601-603.

FDD/X-3804

Sci - Chem
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Tannin in Seaweed, by T. Katayama, 3 pp.

JAPANESE, ^{per} ~~Int.~~ Chem. Soc. Japan, Ind. Chem. Sect.
Vol. LIV, 1951, pp 603, 604.

S.L.A. Tr No 309/1955

Sci - Chemistry
Jan 1957 CTS/dex

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The Oxidation Reaction by Nitric Acid. Part V..
Effect of Chloride Ion on the Decomposition Velocity
of Nitrous Acid, By Y. Oishi, 3 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sec, Vol
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1953, pp 7870-7871.

AT&T-4100J

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Aug 59

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Catalyst for the Conversion of Carbon Monoxide),
by H. Uchida, 5 pp.

JAPANESE, per, J. Chem Soc Japan, Soc Chem
Sect, Vol LIV, 1951, pp 750-751.

SIA 57-2473

Sci
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Synthesis of Green Dyestuffs and
Their Properties, by Hirotada Iida,
10 pp.
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol 54, No 12, 1951, pp 775-777.
SA Code-637

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Sci
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Characteristics of Fluidized Particles. Part I.
On the Viscosity of Fluidized Powders, by J.
Furukawa, T. Onose, 5 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol LIV, 1951, pp 798-800.

SLA Tr 57-2684

Sci
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Characteristics of Fluidized Particles. I.
Expansion of Fluidized Beds of Mlowing Gases
J. Furukawa, T. Onuma, 9 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem
Vol XV, No 1, 1952, pp 3-6.

CIA ID: A1-6692

100% D/L
DCL TR 14
C-145 ✓
A-145 ✓

Effects of Trisoxine Ring on the
Properties of the Dyes, by Hirata
Iida, 8 pp.
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol 55, No 1, pp 24-30.
SA Code-636

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Sci
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Study of Polyvinyl Chloride. Pt. IV. The
Effect of Some Stabilizers on the Dehydro-
chlorination of PVC., by M. Ghta, 5 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol. L, No 1, 1952, pp 31-33.

Assoc Tech Serv
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Sci + Chem
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Chemical Reactions of BaCO₃-TiO₂ System in the Solid State on the Process of Reaction, by T. Kubo, K Shinriki, 9 pp.

Vol LV,
JAPANESE, per Nihon Kagaku Zasshi, /3rd rpt, 1951,
Feb 1952, pp 49-51.

SIA Tr 2050

Sci - Chem

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Influence of the Terminal Group on the
Surface-Active Properties C₁₂-Compounds,
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FRENCH, per, Memorial des Services Chimiques
, Vol XXXVII, 1952, pp 75-83.
CFSTI TT-64-18445

Sci - Chem
Jul 66 305,849

<p>Yoshida, Hisataka and Hirakawa, Haruhiro ON THE SYNTHESIS OF N-VINYLPHTHALIMIDE. Rept. 7 of Studies on the Vinylamine System Synthetic Resins. [1961] 7p. 3 refs. Order from SLA \$1.10</p> <p>Trann, of Kogyo Kagaku Zasshi (Japan) 1952, v. 55, no. 2, p. 83-84.</p> <p>DESCRIPTORS: *Resins, Synthesis, Vinyl radicals, Amines, *Phthalimides, Polymers.</p> <p>(Materials--Plastics, TT, v. 6, no. 1)</p>	<p>61-10833</p> <p>I Yoshida, H. II Hirakawa, H. III. Tritium Studies...</p> <p>161610</p> <p>Office of Technical Services</p>
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Synthesis of Acrylates With Methyl Methacrylate
Method of Synthesis and Waste Gas, by K. Ochiai
et al.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol. 55,
1952, pp 120, 121.

ADS J.R.1647

Sci. - Chem

Jan 60

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Furukawa, Junji and Kimura, Teruko.
THERMOSTABILITY OF POLYVINYL CHLORIDE
RESINS. [1963] 7p. (figs. omitted) 3 refs.
Order from SLA \$1.10 63-14157

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1952, v. 55,
p. 133-134.

DESCRIPTORS: *Polyvinyl chloride, *Plastics,
Stability, Decomposition.

An investigation from the point of view of stabilizers
which prevent radical decomposition.

(Materials--Plastics, TT, v. 10, no. 2)

63-14157

I. Furukawa, J.
II. Kimura, T.

Office of Technical Services

Studies on Propylene Chlorhydrin and Propylene Oxide.
PTS. III-IV. Reactions of Propylene Oxide With
Hydroxy Compounds; The Synthesis of Phenoxypropenols,
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JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV, No 4,
1952, pp 219-221.

SLA 60-14139

Sci

169, 066

Sep 61

Vol III, No 9

Studies of Polyvinylglycol Acid Ethers. I.
Purification, by Masao Tobita, 6 pp.

JAPANESE, par, Kogyo Kagaku Zasshi, Vol LV,
1952, pp 221-223.

CIA/PDD X-2740

Sci - Chem
Apr 58

6 i, 934

(FDD 21200)

The Oil Characteristics of Lubricants. Reports 11-12:
The Rectifying Action Exhibited by Accumulated Layers
of Palmitic Acid and of Didodecyl Sebacate, by Toshio
Sakurai, Akira Furuzawa, 16 pp.

Full translation.

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prob Tokyo, Apr 1952, pp 245-249.

CIA/FDD/U-5935

FE - Japan
Sci - Physics, lubrication

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Tsuchiya, T., Kaneko, R., and Endo, T.
THE CHEMICAL STRUCTURE OF PRISTANE, Pt. I.
8p, 11 refs. MTWL: 1075.
Order from OTS or ETC \$1.55

62-26026

Trans. of Kogyo Kagaku (Japan) 1952, v. 55, no. 4,
p. 249-251.

DESCRIPTION: Sharks, *Silver, *Oils, *Hydrocarbon
Chemical analysis.

62-26026

I. Tsuchiya, T.
II. Kaneko, R.
III. Endo, T.
IV. MTWL-1075
V. Stichting Maatschappij
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 en Technologie

Office of Technical Services

Furfuryl Alcohol Resins
I. Initial Condensation Products of Furfuryl
Alcohol, by Y. Hachihama and T. Shono, 6 pp.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 55,
1952, pp 260-262.
P911387667
AMC LA-TR-67-83

Sci-Chemistry
Feb 68

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The Synthesis of Propylene Glycol Monoothers and
Their Properties, by M. Okawara.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV, No 5,
1952, pp 273-275.

SLA 60-14139

Sci

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Sep 61

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Studies of Polyvinylglycol Acid Ethers. II.
Synthesis, by Masao Imae Tobita, 4 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV, 1952;
pp 275, 276.

CIA/PDD X-2741

Sci - Chem
APR 58

61, 933

Studies on the Synthetic Resin of Hexamethylene-tetramine Series, Part V. The Effect of Formation and Ammonium Chloride on the Decomposition Reaction of Hexamine With Acid, by S. Kambara, H. Tada, 9 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV, 1952,
pp 360-362.

FDD/X-3935

Sci
Dec 59

Studies of High Polymers With a Thermobalance.
IV. Relation Between the Mean Degree of
Polymerisation and Stability of Polyvinyl
Chloride, by S. Tsuruta, et al.

JAPANESE, per, J Chem Soc Japan, Ind Chem Sect.
Vol LV, 1952, pp 397, 398.

NTS JJ-2053

Sci - Chem
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Ethylenimine. I. Addition Reaction
Products Between Ethylenimine and
Vinyl Compounds, by T. Yoshida, K. Naito.
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol LV, 1952, No 7, pp 455-457.
SLA TT 64-20956

Sci
May 67 327,193

Noda, Miyoshi and Imoto, Minoru.
ON THE STRUCTURE OF HYDROCHLORIC ACID-
ACIDIC ANILINE-FORMALIN RESINS. Rept. no. 6
of Studies on Aniline Resins. [1961] 7p. 9 refs.
Order from SLA m\$1.80, ph\$1.80 61-10603

Trans. of Kogyo Kagaku Zasshi (Japan) 1952, v. 55,
no. 7, p. 485-487.

The detection and determination of free amino groups
in the resins confirmed the belief that formalin adds
onto the amino groups. (Lectured at the fourth annual
conference of the Chemical Society of Japan, on
April 8, 1951.)

(Materials--Plastics, TT, v. 5, no. 12)

61-10603

1. Anilines--Chemical reactions
 2. Formaldehyde--Chemical reactions
 3. Resins--Molecular structure
- I. Noda, M.
II. Imoto, M.
III. Title: Studies...

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Office of Technical Services